Brigade Modernization Command Winter AUSA Global Force Symposium & Exposition "Building Readiness for Today and Tomorrow"

BG Terrence McKenrick Commanding General 16 March 2016

Unclassified



Purpose and Agenda



<u>Purpose</u>: to educate the military and industry members on the Brigade Modernization Command, Army Warfighting Assessments (AWA)

<u>Agenda</u>

- Network Integration Evaluations (NIE) vs. Army Warfighting Assessments (AWA)
- Army Warfighting Challenges
- Concepts and Capabilities
- Value of AWA
- AWA 17 Way Ahead



Brigade Modernization Command Tangible Results for the Future Forces



Mission: The Brigade Modernization Command conducts integration and evaluations of the network, non-network, and other developmental and emerging concepts and capabilities in order to provide Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, Facilities and Policy (DOTMLPF-P) recommendations to the Army.

Network Integration Evaluations (NIE)

- INTEGRATION
- Conducted annually in the spring
- Executed 10 x NIEs (NIE 11.2 NIE 16.1)
- •Integrates Army tests on Programs of Record (POR) within a brigade force-on-force exercise
- Operationally relevant and demanding scenarios, with a robust simulation wraparound
- •Primarily focused on the network, mission engineering and command systems, and other networked systems

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 •Primarily focused on the network, mission engineering and engine

Army Warfighting Assessments (AWA)

- INNOVATION
- Conducted annually in the fall
- Triple payoff: Training Readiness, Future Force Development and Joint/Multinational Interoperability
- Provides opportunity to assess concepts and capabilities without formal test constraints
- Partnership with Industry to improve engineering and system development

NIE 15.2

- 24 APR- 20 MAY 2015
- Distributed Common Ground System-Army (DCGS-A) test (intel analysis system)
- Simplified tactical intel architecture
- Transport convergence (reducing network hardware)
- Air/Ground Integration

NIE 16.1/AWA

- 25 SEP 08 OCT 2015
- Assessed 78 x concepts and capabilities
- Included a UK Brigade HQs, Canadian Infantry, and Norwegian Artillery
- Joint Forcible Entry Operations with 82nd Airborne Division and 101st Airborne Division

NIE 16.2

- •23 APR- 16 MAY 2016
- Spider (command activated munition)
- Warfighter Information Network-Tactical (WINT)
- Command Post Computing Environment (CP CE)
- •Transport convergence (reducing network

hardware)

AWA 17

- •17 Oct- 30 Oct 2016
- Joint Maneuver Entry Ops
- •Air-Ground Recon Security
- •Counter Weapons Mass Destruction
- Theater/SustainOperations
- Mobile Protected Fire (MPF)/Ground Mobility

Vehicle (GMV)/Light Reconnaissance Vehicle

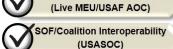
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Army Warfighting Assessments





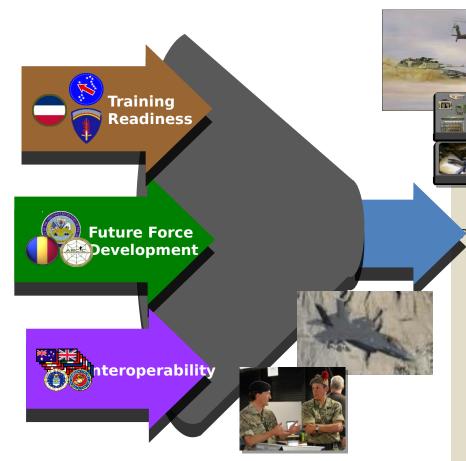












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Stitutional Army apons of Mass Destruction

meland Operations pace and Cyber

Operations and Maintain

Communications

- 8. Enhance Training
- 9. Improve Soldier, Leader and Team Performance
 - 10. Develop Agile and Adaptive Leaders
 - 11. Conduct Air-Ground Reconnaissance
 - 12. Conduct Joint Expeditionary Maneuver and Entry Operations
 - 13. Conduct Wide Area Security
 - 14. Ensure Interoperability and Operate in a Joint, Interorganizational, and Multinational Environment
 - 15. Conduct Joint Combined Arms Maneuver
 - 16. Set the Theater, Sustain Operations, and Maintain Freedom of Movement
- 17. Integrate Fires
- 18. Deliver Fires
- 19. Exercise Mission Command
- 20. Develop Capable Formations
- **B.** Informs Operational and Organizational (O&O) concept development
- C. DOTMLPF Analysis / Joint Report

The Army Warfighting Assessments (AWA) is the CSA's capstone event for Force 2025 Maneuvers that provides the Army a venue to achieve "Triple Payoff" objectives, which include: Training Readiness, Future Force Development, and Joint/Multinational Interoperability in a resource constrained



What We Evaluate and Integrate - Concepts and Capabilities





- Squad Transport Robot Armed Defensive Robots
- Manned-Unmanned Teaming
- Small Form Unmanned Aerial Surveillance Aircraft

Robotics



- Mobile Protected Firepower
- Ground Mobility Vehicle
- Light Reconnaissance

Combat Vehicles



- Warfighter Information Network
- Multiple Radio Waveforms and Platforms
- In-Flight Full Motion Video

Tactical Network

Air-Ground Integration







Operational Energy

- Expeditionary Command Posts
- Stryker Tactical Command
 Post
- Light-Mobile Command Post
- Mission Command Vehicle
- Expeditionary Base Camp



Training Readiness



Unclassified

- Solar Powered Generators
- Portable "micro" Energy Gric
- Fuel Efficient Generators
- · Reduced Size and Weight





Value of AWA and **Expected Outcomes**



Focus: Modernization & Force Development

AWA

- Assess new capabilities, organizations & doctrine
- Assess human dimension
- Refine & improve the network
- Assess training innovations
- Identify DOTMLPF
- solutions to Warfighter Henges

ments

IND TNG Exercise

- Exercise distributed **Mission Command in** Joint/Multinational environment
- Assess doctrinal interoperability
- Employ Joint / MN forces in realistic operational environment
- Live, Virtual, Constructive

FOCIVE Cyber PEW Threat

Value of AWA:

- Meets objectives across training, future force development and interoperability
- Provides large scale live, virtual, constructive Joint/multinational training for Army divisions
- **Enhances Joint and Multinational** Integration
- Ensure interoperability of systems, doctrine, and forces
- Develops partnership with **Industry**
- Enhances concepts and capability development process...potentially reduces acquisition timelines and improves test outcomes
- Provides opportunity to improve/fix the network without formal test constraints

- Readiness Opportunities
- ✓ Expedited DOTMLPF **Solutions**
 - Improved Engineering

OUTCOME

- Improved Network
- Refined Doctrine
- Improved Interoperabil

AWAs are opportunities rces to assess Training Readiness, Future Force Development, and joint/mutunational Interoperability priorities.

AWA 17 Way Ahead

17 - 30 OCTOBER 2016

(Fort Bliss, White Sands Missile Range, Holloman AFB)

Army Warfighting Challenges

Regional Focus: U.S. Pacific Command

CAPABILITIES

- ✓ Manned Unmanned Teaming
- ✓ Operational Energy
- Expeditionary Command Posts (v2)
- ✓ Enhanced Maneuver
- 4G LTE Communications Network
- ✓ Coalition Network
- ✓ Counter-Unmanned Aircraft
 System (UAS)

CONCEPTS

- ✓ Unified Land Operations
- ✓ Joint Concept for Entry Ops (Joint Operation Access Concept (JOAC) and Expeditionary Force 21)
- ✓ Set Theater
- ✓ Joint/Multinational Operations
- ✓ Special Operation Force Coalition Forces Interoperability
- ✓ Close Air Support/Joint Fires
- ✓ Integrated Air/Missile Defense
- Expeditionary Mission Command
- ✓ Enhanced Maneuver
- ✓ Cyber/Electronic Warfare
- ✓ Sea Basing/Joint Logistic Over the Shore (JLOTS)
- ✓ Squad Overmatch (cognitive skills)
- ✓ Manned-Unmanned Teaming (robotics)
- Light Cavairy

FORCES

- ✓ I Corps
- √ 1st Armored Division
- ✓ Light Infantry Task Force
- ✓ 2nd Brigade, 1st Armored Division
- ✓ Airborne Joint Forcible Entry Operations (JFEO) unit (Airborne/Air Assault/Special Operation Force)
- ✓ Sustainment Brigade
 Headquarters and Support
 Battalion(s)
- ✓ Theater Integrated Air Missile Defense
- ✓ Multi-national (UK, Canada, Australia, Italy, Denmark)
- ✓ USMC Fly-In Command Element & Marine Task Force Response Cells
- ✓ Increased Navy participation
- ✓ Forces Command (FORSCOM)
 Enablers
- √ USAF Combined Air Ops Center

